McGRAW-EDISON
The Architecture of Form & Light

INSTALLATION INSTRUCTIONS

IMPORTANT: READ CAREFULLY BEFORE INSTALLING FIXTURE.

Talon Large
Sheet 1 of 3

11/29/07 **IMI-682**

WARNING: Risk of Fire/Electric Shock. If not qualified, consult an electrician.

WARNING: Risk of Electric Shock. Disconnect power at fuse or circuit breaker before installing or servicing.

WARNING: Risk of Burn. Disconnect power and allow fixture to cool before changing bulb or handling fixture.

WARNING: Risk of Personal Injury. Fixture may become damaged and/or unstable if not installed properly. Tighten all fixture components to their recommended torque values.

WARNING: Risk of Fire/Electrical Shock. Upside down installation can result in overheating or accumulation of water in fixture. Install right side up.

Tools Required Socket, 5/16" Socket, 3/4" Deep Well Socket, Electrical wiring tools.

NOTE: These luminaires are designed for outdoor lighting services, and should not be used in area of limited ventilation or in high ambient temperature enclosures. Construction is suitable for down lighting only. Best results will be obtained if installed and maintained according to the following recommendations.

1. With the fixture on its back, open and remove door by pressing thumb latches outward at the same time, open the door and lift it from the hinges. **FIG. 1**

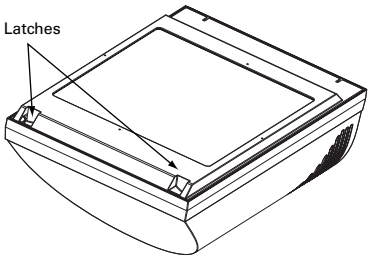

FIG. 1

2. Run the two (2) threaded rods through the center of the semi-enclosed hole details in the arm extrusion. To help orient the arm correctly with the housing, please note that one end of the extruded arm has an angled cut and the other has a perpendicular cut with two (2) drain notches located on the bottom. If assembling to a round pole, use the round pole adapter with the drain channels located at the extruded arm end with the drain slots. Mate the angled side of the extruded arm to the housing so that the bottom surface of the extrusion is parallel to the bottom of the fixture, and the drain notches are facing down and located away from the housing. **FIG. 2** Slide the threaded rods into the interior of the housing. Attach flat washer, lock washer, and nut into place in the order shown in **FIG. 2**. Torque hex nuts to 450 lb/in.

3. If necessary, remove the cap on the pole. Position the housing and arm to assemble it to the pole. Lower the nut plate into the interior of the pole as shown. Slide the threaded rods through the pole and thread into the nut plate until the rod protrudes though the nut plate slightly. Tighten both nuts located inside of the housing to 30 lb/ft of torque.

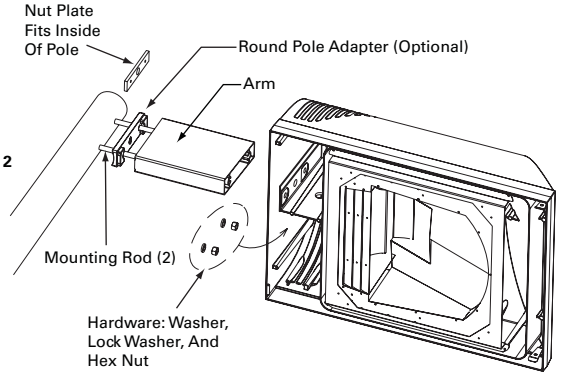

FIG. 2

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4. With the pole and fixture(s) raised into position, place the power tray onto the hinges of the housing electrical compartment and let it hang free. Locate the power connector plug and rotate the power tray until the connection can be made with the mating connector in the housing. Raise the power tray until the two (2) thumbscrews engage and tighten until fully snug. **FIG. 3**

5. Replace door on the hinges at the rear of the housing, rotate into position, and assure that both latches are fastened securely.

FIXTURE MAINTENANCE

RELAMPING

1. Disengage both latches and open the door. Do not let the door swing freely on the hinges.

2. Replace the lamp with the appropriate type and wattage and reassemble the refractor to the upper housing. **FIG. 4**

3. Close the door and assure that the latches are securely fastened.

NEMA PHOTOCONTROL REPLACEMENT

1. The photocontrol is mounted on top the housing. **FIG. 5**

2. Remove the photocontrol by twisting counterclockwise and replace.

PLUG-IN STARTER REPLACEMENT

1. This procedure applies to fixtures with a plug-in type starter. Disengage both latches and open the door. Do not let the door swing freely on the hinges. Loosen the power tray thumbscrews, unplug the power connector as you lower the powertray, and continue lowering until the powertray hangs free on the hinges. The starter is located in the position shown. Remove and replace. Reverse the directions to secure the powertray and the door after starter replacement.

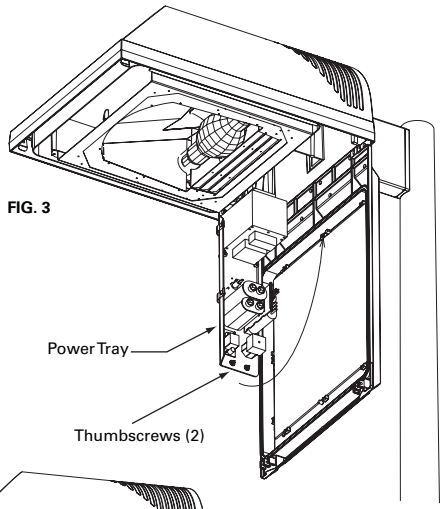

FIG. 3

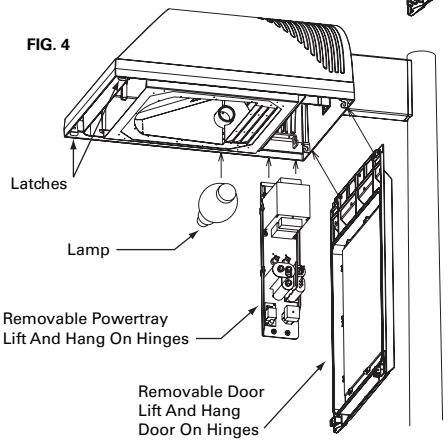

FIG. 4

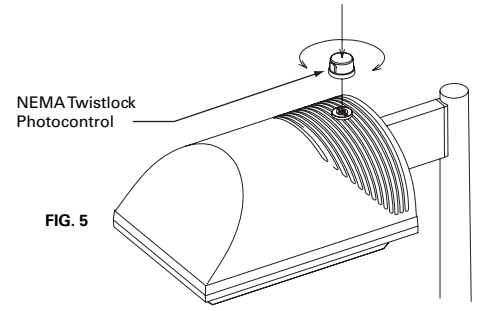

FIG. 5

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2. Remove the plug-in starter from the receptacle and replace. **FIG. 6**

3. Assure that the thumbscrews on the powertray and both latches on the door are fastened securely.

OPTIC DISTRIBUTION AND ORIENTATION

The Talon Large fixture is offered with some optics that have directional distributions. For aiming purposes, the Talon Large was designed with the flexibility to allow each of its optics to be rotated to any of four (4) positions, located at 90° increments. There are two (2) mounting configurations that are used to mount all of the Talon Large optics. The horizontally-lamped optics (as well as the Type 4 vertical optic) use the horizontal optics adapter. All vertically lamped optics use the vertical mount adapter.

1. Vertical Optics: Open the door and remove the lamp. Use a screwdriver to slightly loosen (do not remove) the four (4) screws as shown in **FIG. 7.** The optic has four (4) keyhole details that allow it to release by turning the reflector clockwise a few degrees allowing the optic to be removed. Reposition the optic and tighten the screws securely.

2. Horizontal Optics: (this also covers the Type 4 vertical optic). Open the door and remove the lamp. Use a screwdriver to remove the four (4) screws as shown in **FIG. 8**. Reposition the optic and reinsert the screws securely.

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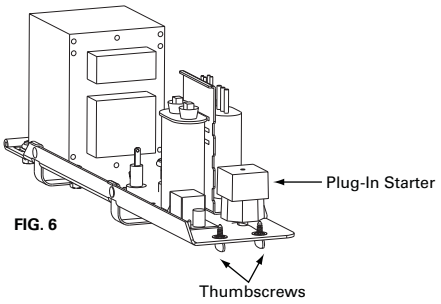


FIG. 6

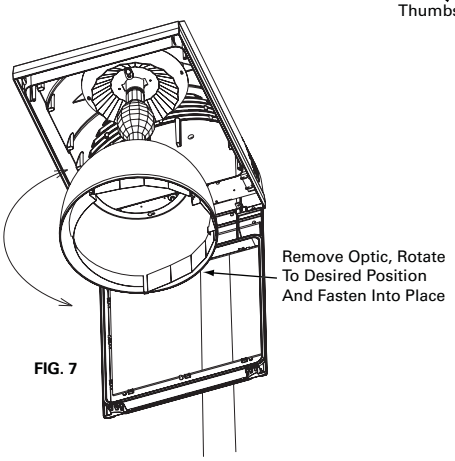
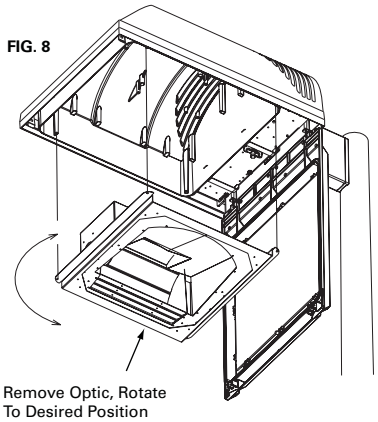


FIG. 7

FIG. 8



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